W.N. 05 (K)

Bruhat Bangalore Mahanagara Palike
Excecutive Engineer Project Division Yelahanka

Name of Work: Improvements road and drains surrounding area in Ward No. 05

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
1	KSRRB 300-1. **Earthwork excavation** by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete asper specifications.MORTH / Chapter 3(I No-19.1, P No-133)								
	Basic rate	82.00							
	11% AD-HOC	9.02							
	Sub Total-1	91.02							
	6% AW	5.46							
	Sub Total-2	96.48							
	5.00km Lead, Lift Transport	84.00							
	Sub Total	180.48							
	CC Drain	1	660.00	1.10	1.00	726.00			
	Cross road culvert	4	12.00	1.80	1.20	103.68			
	Culvert	12	7.00	1.50	1.20	151.20			
						980.88	**Cum**	**180.48**	**177030.40**
2	KSRB 4-1.2 : Providing and laying in position **plain cement concrete of mix 1:3:6** with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms^thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4.1, 4.2.(P.No-12,I No-4.2)								
	Basic rate	5046.00							
	11% AD-HOC	555.06							
	Sub Total-1	5601.06							
	6% AW	336.06							
	Sub Total-2	5937.12							
	CC Drain	1	660.00	1.05	0.15	103.95			
	Cross road culvert Ramp	8	10.00	1.50	0.10	12.00			
	Culvert Ramp	24	7.00	1.00	0.10	16.80			
	Cross road culvert	4	12.00	1.80	0.15	12.96			
	Culvert	12	7.00	1.40	0.15	17.64			
						163.35	**Cum**	**5937.12**	**969829.14**

W.N. 05 (4)

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
3	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with 20mmand down size graded granite metal coarse aggregates @0.0.69cum and fine aggregtes @ 0.460cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1, 4.6(I No-4.11,P No-13)								
	Basic rate	6011.00							
	11% AD-HOC	661.21							
	Sub Total-1	6672.21							
	6% AW	400.33							
	Sub Total-2	7072.54							
	Cross road culvert Ramp	8	10.00	1.50	0.15	18.00			
	Culvert Ramp	24	7.00	1.00	0.15	25.20			
	Raft								
	CC Drain	1	660.00	1.05	0.15	103.95			
	Cross road culvert	4	12.00	1.50	0.20	14.40			
	Culvert	12	7.00	1.20	0.20	20.16			
	Wall								
	CC Drain	2	660.00	0.15	0.70	138.60			
	Cross road culvert	8	12.00	0.30	1.00	28.80			
	Culvert	24	7.00	0.23	0.70	27.05			
						376.16	**Cum**	**7072.54**	**2660393.48**
4	KSRB 4-6.4 : Providing and removing **centering, shuttering, strutting,** propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2								
	Basic rate	293.00							
	11% AD-HOC	32.23							
	Sub Total-1	325.23							
	6% AW	19.51							
	Sub Total-2	344.74							
	Wall								
	CC Drain	4	660.00		0.70	1848.00			
	Cross road culvert	16	12.00		1.00	192.00			
	Culvert	48	7.00		0.70	235.20			
						2275.20	**Sqm**	**344.74**	**784361.09**

W.N. 05 (K)

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
5	KSRB 4.9.2 : Providing **T.M.T steel reinforcement** for R.C.C workincluding straightening, cutting, bending, hooking, placing in position,lapping and / or welding wherever required, tying with binding wire andanchoring to the adjoining members wherever necessary complete asper design (laps, hooks and wastage shall not be measured and paid)cost of materials, labour, HOM of machinery complete as perspecifications.Specification No. KBS 4.6.3(I No-4.46.2,P No-17)								
	Basic rate	60607.00							
	11% AD-HOC	6666.77							
	Sub Total-1	67273.77							
	6% AW	4036.43							
	Sub Total-2	71310.20							
	Consider drain, 60kg/Cum	1	242.55	60.00		14553.00			
	Consider culvert, 90kg/Cum	1	90.41	90.00		8136.72			
						22.69	**Tn**	**71310.20**	**1618008.38**
6	Providing and Fixing **pre cast covering Slab** made out of CC 1:2:4 with 100mm thick and Finishing cutting ,including form work,curing,including cost of alll materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc ,copmplete. (Data Rate)								
	Basic rate	2100.00							
	CC Drain								
	Culvert Top Slab	1	660.00	0.90		594.00			
						594.00	**Sqm**	**2100.00**	**1247400.00**
7	Providing and Fixing **pre cast covering Slab** made out of CC 1:2:4 with 250mm thick and Finishing cutting ,including form work,curing,including cost of alll materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc ,copmplete. (Data Rate)								
	Basic rate	5111.00							
	Culvert Top Slab	4	12.00	1.50		72.00			
	Culvert	12	7.00	1.20		100.80			
						172.80	**Sqm**	**5111.00**	**883180.80**
8	Providing and fixing pre cast solid cement **concrete kerb stones** made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete (P.No-25, I No-5.30)								
	Basic rate	313.00							
	11% AD-HOC	34.43							
	Sub Total-1	347.43							
	6% AW	20.85							
	Sub Total-2	368.28							
		2	345.00			690.00			
						1533.00			
						1533.00	**Nos**	**368.28**	**564566.80**
9	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 (P.No-183, I No-24.1)								
	Basic rate	60.00							
	11% AD-HOC	6.60							
	Sub Total-1	66.60							
	6% AW	4.00							
	Sub Total-2	70.60							
		2	345.00	0.40		276.00			
						276.00	**Sqm**	**70.60**	**19,484.50**

Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
							Total Construction Cost	8919625.75
							KRIDL Charges	981158.83
							Towards PMC Cost	99,200.00
							Sub Total	9999984.58
							Utility Shifting,Miscellaneous and Rounding off	15.42
							GRAND TOTAL	10000000.00

Certificate

1. The workspot was inspected and works is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3. The rates adopted based on the PWD SR,Bangalore circle for year 2016-2017, issue rates and Data Rates. 11% AD-HOC is added as per order issued on 06-02-2018

Assistant Engineer
Project Division Yelahanka
BBMP Bangalore

Asst. Executive Engineer,
Project Division Yelahanka
BBMP Bangalore

Executive Engineer,
Project Division Yelahanka
BBMP Bangalore

Administrative Approval

Accorded For 100.00 Lakhs. only
Head of A/C P3158
CER NO :117 Dt:8/2/18

E.E. (Project)

Technical Sanction

Accorded For 100.00 Lakhs only
Head of A/C P3158
CER NO :623 Dt:08/02/18

TA CE (YNK).